

Claims

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1. An electrical switch for controlling operation of lighting in a vehicle, comprising a switch housing, an actuating member mounted for rotation about a central axis and for axial movement within said switch housing, a movable contact carrier coupled to said actuating member for joint rotation and relative axial movement, a fixed contact carrier mounted in said switch housing in a position axially opposite to said movable contact carrier, a first set of movable contacts mounted on said movable contact carrier and associated with a first set of fixed contacts of said fixed contact carrier, a second set of movable contacts mounted on said movable contact carrier and associated with a set of radially fixed contacts also mounted on the movable contact carrier in positions radially opposite to corresponding ones of said movable contacts of the second set, and at least one cam on said actuating member, said cam being movable axially between a first position disengaged from a corresponding movable contact of the second set and a second position engaged with said movable contact of the second set to deflect said contact radially against a corresponding contact of the set of radially fixed contacts.

2. The electrical switch of claim 1, wherein said cam is ramp-shaped.

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Sub A1

3. The electrical switch of claim 1 or claim 2, wherein at least two axially spaced cams are provided on said actuating member.

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The electrical switch of claim 1, wherein said contacts carried by said movable contact carrier are all stamped from a shared metal plate.

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5. The electrical switch of claim 4, wherein said radially fixed contacts and said movable contacts of the second set bent off to extend generally axially.

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6. The electrical switch of claim 1, wherein said fixed contact carrier is a printed circuit board and said fixed contacts are formed by conductor tracks on said printed circuit board.

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